

Title (en)
SYSTEMS AND METHODS FOR OPERATING A REFRIGERATION SYSTEM

Title (de)
SYSTEME UND VERFAHREN ZUM BETREIBEN EINER KÄLTEANLAGE

Title (fr)
SYSTÈMES ET PROCÉDÉS POUR FAIRE FONCTIONNER UN SYSTÈME DE RÉFRIGÉRATION

Publication
EP 2988077 B1 20200429 (EN)

Application
EP 15179651 A 20150804

Priority
US 201414461605 A 20140818

Abstract (en)
[origin: EP2988077A1] Methods and systems for operating a refrigeration system for refrigerating a product are provided. A first temperature of the refrigerant downstream of a condenser and upstream of an evaporator may be obtained. A first pressure of the refrigerant downstream of the condenser and upstream of the evaporator may be obtained. A second pressure of the refrigerant downstream of the evaporator and upstream of a compressor and/or a temperature of the product being refrigerated may be obtained. A first valve, disposed between the condenser and the evaporator, may be controlled based on the first temperature and the first pressure to maintain a pre-determined cooling set-point for the refrigeration system. A second valve of the refrigeration system, coupled to the compressor, may be controlled based on the second pressure or the temperature of the product to optimize a capacity of a compressor of the refrigeration system.

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F25B 49/02 (2006.01)

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